

**REPORT/RECOMMENDATION TO THE BOARD OF SUPERVISORS
OF SAN BERNARDINO COUNTY, CALIFORNIA
AND RECORD OF ACTION**

May 4, 2004

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FROM: PATRICK J. MEAD, Interim Director
Department of Public Works- **Solid Waste Management Division**

**SUBJECT: CONTRACT FOR THE DESIGN OF DETENTION BASIN AND CHANNEL
STABILIZATION AT THE SAN TIMOTEO SANITARY LANDFILL**

RECOMMENDATION: Award a \$183,533 contract to Bryan A. Stirrat & Associates for the Design of Detention Basin and Channel Stabilization at the San Timoteo Sanitary Landfill.

BACKGROUND INFORMATION: The San Timoteo Sanitary Landfill (STSL) is located within the City of Redlands in San Bernardino County, approximately 3 miles southwest of downtown Redlands and one mile southwest of San Timoteo Canyon Road. The site consists of approximately 446 acres, of which 114 acres comprise the disposal footprint. The STSL has been identified in the County's Strategic Plan as a future expansion site.

The STSL is situated in the San Timoteo Canyon area of Redlands. Run-on stormwater flows generated from the canyons above the landfill, are conveyed around landfilling operations through a system of earthen channels, reinforced concrete pipes, detention/siltation basins, and spillways. Due to unusually heavy rainfall during the winter of 1997/1998, caused in part by El Nino weather conditions, severe erosion from heavy debris loading occurred within the earthen channel sections. In response, a detailed drainage study was conducted to determine the drainage facilities required to adequately convey stormwater flows generated from a 100-year, 24-hour storm event around and through the site to reduce erosion potential, to accommodate debris loading, and to protect downstream properties adjacent to the STSL.

As a result, in 1999 a reinforced concrete pipe (RCP) storm drain ranging from 48 inches to 54 inches in diameter was constructed commencing at a point within the STSL property and terminating downstream at the San Timoteo Creek. Stormwater flows generated from the canyons beyond the site and generated from the landfill itself are conveyed and collected within the RCP Storm Drain. However the constructed RCP Storm Drain could only be designed to collect flows from approximately a 10-year storm event due to physical constraints at the railway crossing that limited the maximum diameter of the RCP to 54 inches. In order to provide 100-year capacity, a detention basin must be constructed upstream of the RCP to reduce stormwater flows to a peak flow rate less than a 10-year, 24-hour storm event. To achieve this will require the construction of a 30 acre-foot capacity detention basin.

On February 24, 2004 the Solid Waste Management Division (SWMD) issued a Request for Proposals for the Design of Detention Basin and Channel Stabilization at the San Timoteo Sanitary Landfill. A Request for Proposals (RFP) was sent to 30 interested firms resulting in three (3) firms submitting proposals. A Consultant Selection Committee was assembled to review the proposals,

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interview the firms, and select a firm based on experience, qualifications, and project approach. The Committee was composed of representatives from the SWMD and, the Transportation Division of the Department of Public Works. The three firms who submitted proposals were: Bryan A. Stirrat & Associates from Diamond Bar; RBF Consulting, Inc. from Ontario; and Burns and McDonnell, Inc. from San Diego, California. After reviewing the proposals the Selection Committee interviewed the proposing firms with the exception of Burns & McDonnell. Upon completion of the interviews, the Selection Committee ranked Bryan A. Stirrat & Associates over RBF Consulting, based on their technical approach to the scope of services and experience with projects of similar nature and scope. After the rankings, all the cost proposals were unsealed. Bryan A. Stirrat & Associates submitted a cost of \$183,533; RBF Consulting submitted a cost of \$362,804; and Burns & McDonnell submitted a cost of \$409,250.

The Selection Committee elected not to interview the firm of Burns & McDonnell because its submitted proposal was not considered as complete as those of the other competing firms. Specifically, their proposed technical approach did not adequately address the items specified in the RFP's proposed scope of work. Additionally, Burns & McDonnell did not meet the "minimum qualifications" required to perform the construction management services proposed within the scope of work of the RFP.

This contract provides for Bryan A. Stirrat & Associates to prepare all documentation and provide construction management services for the bidding and construction of the channel and detention basin improvements at the STSL. The contract will commence on May 4, 2004 and continue through the completion of the detention basin channel stabilization construction, which is anticipated to be June 30, 2005.

REVIEW AND APPROVAL BY OTHERS: This item was reviewed by Deputy County Counsel Robert L. Jocks (387-5435) on April 21, 2004 and County Administrative Office (Tom Forster, Administrative Analyst, 387-4635) on April 25, 2004.

FINANCIAL IMPACT: The cost for these contracted services is \$183,533. Funding for these services is available in the Solid Waste Management Division's Fiscal Year 2003/2004 Site Enhancement Budget - Fund: EAC Dept: SWM Org: SWM Appr: 200 Obj: 2445.

COST REDUCTION REVIEW: The County Administrative Office has reviewed this agenda item, concurs with the department's proposal, and recommends this action based on the following: Title 27 of the California Code of Regulations (CCR) requires that Class III Municipal Solid Waste Landfills be designed with drainage facilities capable of conveying a 24-hour, 100-year storm event. The facilities to be designed under this contract will make the STSL compliant with Title 27, CCR through the site's ultimate development. Failure to comply with mandated stormwater and drainage controls, as set forth in Title 27 CCR, could subject the County to administrative civil liability fines levied by the Regional Water Quality Control Board.

SUPERVISORAL DISTRICT: Third

PRESENTER: Peter H. Wulfman, 386-8703

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